

RUMER, Yu.B.; RYVKIN, M.S.; QOBANOV, A.A., red.; DROZHZHIN, Yu.N.,
red.; KORNEYEVA, V.I., tekhn.red.

[Theory of relativity] Teoriia otnositel'nosti. Moskva, Gos.
uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1960. 211 p.

(MIRA 13:7)

(Relativity (Physics))

SOBANE, A. I.

25520. Mekhanika uprugovyazko-plasticheskikh tel IV Rastuzhenie i szhatiye
prizny zhurnal te h. fizik, 1949, vyp8, C 992-910

SO: Letipis' zhurnal Statey, Vol. 34, Moskva, 1949

PORAY-KOSHITS, Ye. A.; GOBANOV, D. A.; AVERYANOV, V. I.

"Studying of supermolecular structures of silicate glasses by direct methods.

report submitted for Intl Conf on Physics of Non-Crystalline Solids, Delft, Netherlands, 6-10 Jul 64.

Grebenshchikov Inst for Silicate Chemistry, AS, Leningrad.

GOBAROV, O.

They can't work in this way any more. Zhil.-kom. khoz. 12 no.3:
13-14 Mr '62. (MIRA 15:10)

1. Nachal'nik Zhilishchno-kommunal'nogo otdela zavoda "Svetlana",
Leningrad.

(Leningrad—Housing)

GOBATSEVICH, A.B.

Certain conditioned reflex mechanisms of epileptoid seizures. Zhur.
nevr.i psikh. 55 no.5:326-329 '55. (MLRA 8:7)

1. Klinika nervnykh bolezney Voenno-meditsinskoy akademii imeni
S.M.Kirova.

(EPILEPSY, physiology,
conditioned reflex mechanism of seizures)
(REFLEX, CONDITIONED,
conditioned mechanism of epileptic seizures)

GOBATSKIY, D. P.
B

Hydrometallurgical Treatment of Arsenical Nickel Ore by an Ammoniacal Method. (In Russian) D. P. Gobatskiy and A. S. Semenov. *Journal of Applied Chemistry (USSR)*, v. 20, nos. 1-2, 1947, p. 80-86.

The second stage of the above process, i.e., the leaching out of the reduced nickel by means of ammoniacal reagents, was investigated on a commercial scale. Results are tabulated and charted.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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CCPPI, I.

Experiences with permalloy materials produced in Hungary; also, remarks by E. Juvancz and P. Janos. p.41. (Kozlemenyel, Budapest. Vol. 20, no. 1/2, 1956.)

SO: Monthly List of East European Accessions (SEAL) LC., Vol. 6, no. 7, July 1957. Incl.

GOBBI, I.

Soft magnetic sheet materials made in Hungary.

p. 84 (Magyar Híradastechnika. Vol. 8, no. 3, Sept. 1957. Budapest, Hungary)

Monthly Index of East European Accessions (EMAI) IC. Vol. 7, no. 2,
February 1958

GOBBI, I.

TECHNOLOGY

PERIODICAL: MAGYAR HIRADASTECHNIKA, Vol. 9, no. 2/3, June 1958

Gobbi, I. Determination of hysteresis factor by measuring self-inductance variation p. 98.

Monthly list of ~~East~~ European Accessions (EEAI) LC, Vol. 2, No. 2,
February 1959, Unclass.

GORBI, I

KENDE, Eva, dr.; CSERENYNY, Edit, dr.; GORBI, Ida, dr.

Cough plate as a device for early diagnosis in whooping cough.
Orv. hetil. 95 no.33:895-897 15 Aug 54.

1. A Budapesti Orvostudományi Egyetem Kórokozósegélytani Intézetéből
(igazgató: Dabis László dr. egyetemi tanár és a Fővárosi Tanács
XII. ker. Gyermekklinika) (igazgató: Királynégyi Róbert dr.)
közlönye

(WHOOPIING COUGH, diagnosis
cough plate)

GOBBI, Istvan

Direct calculation of the number of turns of solenoid coils.
Hir techn 13 no.6:232-233 D '62.

1. Elektroakusztikai Gyar.

GOBBI, Istvan

Electrochemical terms established by Faraday; electrolysis, electrodes,
ions. Fiz szemle 13 no.4:113 Ap '63.

GOBBI, Istvan

Possibility for new type transformer constructions by means of applying semi-anisotrope transformer sheets. Hir techn 14, no.3:100-102 Jé '63.

1. Elektroakusztikai Gyar.

GOBEAJA, Petre

Thoroughly organizing the maintenance of cultural work. Munca sindic
7 no.5:18-20 My '63.

1. Presedinte al comitetului sindicatului de la Gospodariile Agricole
de Stat - Mosneni, regiunea Dobrogea.

GOBEC, Boris, inz. (Zagreb, Gunduliceva33)

A special starch syrup ~~for~~ hard caramels. Tehnika Jug 18 no.6:
Suppl.:Preran ind 17 no.6:1137-1143 Jo '63.

1. Tehnicki direktor preduzeca "Josip Kras", Zagreb.

GOBEC, R.

Yugoslavia (430)

General - Serials

Junior high schools of music in Ljubljana. p. 9.
LJUDSKA PRAVICA. (Komunistična Partija Slovenije)
Communist Party of Slovenia). Vol. 12, no. 177,
December 22, 1951.

East European Accessions List. Library of Congress,
Vol. 1, no. 13, November 19 52.
UNCLASSIFIED.

ZENAYSHVILI, O.P.; BAKANIDZE, T.A.; GOBECHIA, B.K.; KAVTARADZE, M.A.

Results of alkopar trials in foci of necatoriasis. Med.paraz.
i paraz.bol. 33 no.3:302-303 My-Je '64.

(MIRA 18:2)

1. Institut meditsinskoy parazitologii i tropicheskoy meditsiny
imeni Virsaladze Ministerstva zdavookhraneniya Gruzinskoy SSR,
Tbilisi.

GOBCHIIYA, G.V.; KVEKVESKIRI, T.D.; KHAKHMIONRI, M.D., tekhn.red.

[Economy of Abkhazia; a statistical manual] Narodnoe khoziaistvo
Abkhazskoi ASSR; statisticheskii sbornik. [Sukhumi] Abgosizdat,
1957. 116 p. (MIRA 11:3)

1. Abkhazian A.S.S.R. Statisticheskoye upravleniye.
(Abkhazia--Statistics)

KVEKVESKIRI, T.D., otv. za vypusk; GOBECHIYA, G.V., otv. za vypusk; GORDE-
ZIANI, S.A., tekhn. red.

[Forty years of the achievements of Soviet Abkhazia in figures] Do-
stizheniia Sovetskoi Abkhasii za 40 let v tsifrakh. Tbilisi, Gos-
statizdat, 1961. 206 p. (MIRA 14:8)

1. Abkhazian A.S.S.R. Statisticheskoye upravleniye.
(Abkhazia--Statistics)

GOBECHIA, T.

Technical societies advising meat packers. Mas.ind.SSR 31
no.2:32 '60. (MIRA 13:8)

1. Nauchno-tehnicheskoye obshchestvo pishchevoy promyshlennosti
Gruzinskoy SSR.
(Tiflis--Packing houses)

GOREDZHISHVILI, M.S.

"Decay of Scalar Mesons with Emission of Radiation." Zhur. Eksptl'.
i Teoret. Fiz. 20, 893-7 (1950) Oct.

The probability of a decay of a scalar meson resulting in the formation of an electron and a neutrino has been investigated by Bethe and Nordheim (Phys. Rev. 57, 998 (1940)). The case of a spontaneous disintegration of a scalar meson into an electron a neutrino, and a photon is examined here. The elementary Probability diverges logarithmically.

MIRIANASHVILI, M.M.; GOBEDZHISHVILI, M.S.

Solution of equations of the gravitational field by the
"falling box" method. Soob. AN Gruz. SSR 33 no.3:543-548
Mr '64 (MIRA 17:8)

1. Tbilisskiy gosudarstvennyy universitet. 2. Chlen-korrespon-
den AN GruzSSR (for Mirianashvili).

MIRIANASHVILI, M.M.; GOBEDZHISHVILI, M.S.

Radiation during hyperbolic motion of a charge. Soob. AN Gruz.
SSR 39 no.3:551-554 S '65. (MIRA 18:10)

1. Tbilisskiy gosudarstvennyy universitet. 2. Chlen-korrespondent
AN GruzSSR (for Mirianashvili).

I. 25778-66 EWT(1) IJP(c) AT

ACC NR: AP6016358

SOURCE CODE: UR/0251/65/039/003/0551/0554

AUTHOR: Mirianashvili, M. M. (Corresponding member AN GruzSSR); Gomedzhishvili, M. S.

ORG: Tbilisi State University (Tbilisskiy gosudarstvennyy universitet)

TITLE: Emission during hyperbolic motion of a charge

SOURCE: AN GruzSSR. Soobshcheniya, v. 39, no. 3, 1965, 551-554

TOPIC TAGS: electron² motion, causality principle, electromagnetic field

ABSTRACT: Some authors consider that during hyperbolic motion (motion at constant acceleration) an electron does not radiate energy. Others, particularly Fulton and Rohrlich (Classical Radiation from a Uniformly Accelerated Charge, Annals of Physics, Vol 9, 41, 1964), in a detailed study of the question came to the conclusion that the hyperbolic motion of a charge is accompanied by the radiation of energy. Fulton and Rohrlich studied the motion of an electron in the inertial system S in which motion of the particle is described with the aid of z and

$$v(t) = \frac{dz}{dt}$$

where

$$z = \sqrt{\alpha^2 + t^2} \text{ (for } t = 0, z = \alpha > 0 \text{),}$$

$$\dot{z} = \frac{t}{\sqrt{\alpha^2 + t^2}} \dot{z}_0$$

(1)

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(\vec{z}_0 is a unit vector along the direction of the z axis). The field potentials, created by the charge, are L'yeonar-Vikherst(sic) potentials

$$A_\mu = \frac{eQ}{R\sqrt{1-\beta^2}}, \quad R^2 = (1-\beta^2)(t-t_0)^2 - (z-z_0)^2, \quad (2)$$

and the condition of causality $|1-\beta^2| = R \equiv |t-t_0| > 0$ guarantees that (2) is a delayed potential.

The fields obtained by Fulton and Rohrlich in accordance with the causality condition are satisfied in the region $z \neq t > 0$ but are unstable when $z \neq t = 0$, since the fields for $z \neq t = 0$ should be emitted when $t_0 = -\infty$ if the charge is moved along a light cone by $z = \neq \infty$. However, motion of the particle of the end mass along the light cone means that it has precisely the speed of light, but only in the physical sense. To eliminate this difficulty, it is assumed that a particle in a definite interval of time $t' \leq t \leq t''$ moves in a homogeneously constant field and that when $t > t''$, the field is cut off and it continues to move according to the inertia of its constant speed: i.e., in the region $t' < t < t''$. Formulas (1) are accurate but outside of this region

$$Z = \frac{1}{k} + A, \quad v = \frac{1}{k},$$

where

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$$k = \frac{t'}{\sqrt{\alpha^2 + t'^2}}, \quad A = \frac{\alpha^2}{\sqrt{\alpha^2 + t'^2}},$$

(t' is a fixed time when out-off of the field occurs). Consequently, if $t \geq t'$ and $t \rightarrow \pm \infty$, the following holds:

$$Z = \frac{\alpha^2 + t'^2}{\sqrt{\alpha^2 + t'^2}}, \quad (3)$$

$$\vec{v} = \frac{t'}{\sqrt{\alpha^2 + t'^2}} \vec{z}_0 = \text{const.}$$

One is easily convinced that when $t \rightarrow \pm t'$, all these formulas are continuously converted into the Fulton and Rohrlieh formulas. In the cylindrical coordinates ρ, χ, φ , for Au, in accordance with (2) and (3), the following is obtained:

$$A_0 = \Phi = \frac{e}{\xi_0}, \quad A_z = \frac{e c_0}{\xi_0}, \quad A_\rho = A_\varphi = 0, \quad (4)$$

where

$$\xi_0 = \sqrt{(1 - c_0^2) \rho^2 + \chi^2 + c_0^2 t'^2 - 2 c_0 \chi t' - 2 c_0 \gamma \chi + c_0^2 \gamma^2 + 2 c_0 \gamma t'},$$

$$c_0 = \frac{t'}{\sqrt{\alpha^2 + t'^2}}, \quad \gamma = \frac{\alpha^2}{t'}.$$

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By differentiation of (4), the authors obtain the electromagnetic field strength of the charge:

$$\begin{aligned} E_{\varphi} &= 0, \quad E_{\rho} = \frac{e(1-\beta^2)\rho}{\tilde{r}_0^3}, \quad E_z = \frac{e(c^2 - z)}{\tilde{r}_0^3} (c_0 l - z + c_0 \gamma), \\ H_{\rho} &= 0, \quad H_z = 0, \quad H_{\varphi} = \frac{ec_0(1-\beta^2)\rho}{\tilde{r}_0^3} = c_0 \tilde{E}_{\rho}. \end{aligned} \quad (5)$$

The energy flow J , radiated uniformly by the charge, is calculated according to the well-known formula

$$J = \bar{S} \pi,$$

where \bar{S} is the Poynting vector

$$\bar{S} = \frac{1}{4\pi} [\vec{E} \vec{H}] = \frac{H_{\varphi}}{4\pi} (E_{\rho} \vec{r}_0 - E_z \vec{p}_0);$$

\vec{n} , \vec{r}_0 , and \vec{p}_0 are unit vectors:

$$J = \bar{S} \vec{n} = \frac{H_{\varphi} R}{4\pi R} (E_{\rho} \vec{r}_0 - E_z \vec{p}_0).$$

After obtaining the values of H , E , and E_z from (5) and making

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calculations for the energy flow, the authors obtain the following:

$$J = \frac{c^2 c_0^2 (1 - c_0^2) R^2 \sin^2 \theta}{4 \pi R^4 (1 - c_0 \cos \theta)^4}.$$

The total energy radiated at the moment t_Q will be

$$\frac{dW}{dt_Q} = \lim_{R \rightarrow \infty} \int R^2 d\Omega = 0.$$

Thus, the rate of radiation dW/dt_Q for any moment t_Q after out off of the field ($t_Q > t'$) will be zero. This corresponds to the results of the works of Pauli and Laue for the region $x \neq t = 0$. It is easy to see that when $t \rightarrow +t'$, formulas (3) are transformed into (1), and instead of (4) and (5), there result the formulas obtained by Fulton and Bohrlieh. For the rate of radiation energy in this case

$$\frac{dW}{dt_Q} = 2/3 c^2/a^3.$$

Orig. art. has: 5 formulas. [JHRS]

SUB CODE: 20 / SUBM DATE: 25Feb65 / ORIG REF: 001 / OTH REF: 003

Card 5/5 CC

HUNG :

Geology of the region of Fehervárszeg, Iskenzt-
györgy, and Isztimér. Ervin Gohel. Magyar Állam-
Földtan: Intézet Értékelése 1953, 370-371(1954); French
summary).—Brief descriptions are given of dolomites (8
chem. analyses) and bauxites. Michael Fleischer

GABEL, E.

Chen ✓ Geology and mineral deposits of the mountain region
of Nagybanya and Rudabanya. Ervin Gabel, Magyar
Állami Földt. Intézet, *Évi Jelentése* 1954, 46-62 (Pub.
1954) (French summary). Pyrite deposits are named. With
rhyolites and trachytes, for which petrographic data and 8
chem. analyses are given. Michael Fleicher

GOBEL, E.

Geology of the Fehervaresurgo, Iszkaszentgyorgy, and Isztimer areas. p. 375.

Hungary. Foldtani Intezet. A MAGYAR ALLAMI FOLDTANI INTEZET EVI JELENTESE.
Budapest, Hungary. Pt. 2, 1953 (published 1955)

Monthly list of East European Accessions (EEAL), LC, Vol. 8, no. 7, July 1959
uncla.

| | | | |
|---|--|------------------------|--|
| GOBEL, J. | | PROCESS AND PROPERTIES | |
| F | | 0 | |
| <p>2688. FLAMELESS GAS FIRING WITH TURBO BURNERS. Gobel, J. (Banyar. Kohas. Lapok (J. Min. Smelt.), July 1950, vol. 5, 425-426).</p> <p>The advantages of flameless combustion with turbo gas burners are described with special reference to the metallurgical industry. This method has a high efficiency and since there is no excess air much less of the charge is oxidized.</p> | | | |
| <p>ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> <p>12000 17000 18000 19000 20000 21000 22000 23000 24000 25000 26000 27000 28000 29000 30000 31000 32000 33000 34000 35000 36000 37000 38000 39000 40000 41000 42000 43000 44000 45000 46000 47000 48000 49000 50000 51000 52000 53000 54000 55000 56000 57000 58000 59000 60000 61000 62000 63000 64000 65000 66000 67000 68000 69000 70000 71000 72000 73000 74000 75000 76000 77000 78000 79000 80000 81000 82000 83000 84000 85000 86000 87000 88000 89000 90000 91000 92000 93000 94000 95000 96000 97000 98000 99000</p> | | | |

BIRO, N. A.; MUHLRAD, A.; GOBEL, Vera; JAKY, Susanne

Inhibition of myofibrillar ATPase activity by adenosine monophosphate.
Acta physiol. akad. sci. hung. 21 no.1:1-8 '62.

1. Biochemistry Group, Institute of Phylogeny and Genetics, Eotvos
Lorand University, Budapest.

(MUSCLES metabolism)
(ADENOSINE PHOSPHATES pharmacology)
(ADENYLPYROPHOSPHATASE antagonists)

BIRO, N. A.; MUHLRAD, A.; GOBEL, Vera; JAKY, Susanne

On the mechanism of substrate inhibition of myofibrillar ATPase.
Acta physiol. akad. sci. hung. 21 no.1:9-13 '62.

1. Biochemistry Group, Institute of Phylogeny and Genetics, Eotvos
Lorand University, Budapest.

(MUSCLES metabolism)
(ADENYLPHOSPHATASE antagonists)

BINDER, Laszlo, dr.; GOBEL, Zsuzsa, dr.; HARASZTI, Maria, dr.;
PARRAGH, Janosné.

Primary staphylococcal pneumonia in infants and small children.
Gyermekegygyaszat 7 no.3:77-89 March 56

1. A fovaros Laszlo korhaza (igazgato-focorvos: Ferencz Pal dr.)
koslemenye.

(MICROCOCCUS PHOENICES, infect.
pneumonia, in inf., incidence, bacteriol. & symptoms
(Hun))

(PNEUMONIA, in inf. & child
micrococcal, in inf., incidence, bacteriol. & symptoms
(Hun))

BINDER, Laszlo, Dr.; GOBEL, Zsuzsanna, Dr.

Lymphocytosis caused by pertussis. Orv. hetil. 99 no.13:442-444 30
Mar 58.

1. A Jovaros Laszlo Korhazanak Kozlemenye.
(WHOOPIING COUGH, compl.
lymphocytosis (Hun))
(LYMPHOCYTOSIS, in inf. & child
in whooping cough (Hun))

GOBELEV, D. P.

Gobelev, D. P. "The effect of electrolytic solutions in connection with the vernalization of spring wheat on its growth and yield," Uchen. zapiski (Ryaz. gos. ped. in-t), Issue 7, 1949, p. 97-108, - Bibliog: 5 items.

SO: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, No. 17, 1949).

GOBEL'MAN, M.

Work education of youth. Sov.profsoiuzy 7 no.15:47 Ag '59.
(MIRA 12:12)

1. Zavoduyushchiy otdelom okhrany truda Belorusskogo respub-
likanskogo komiteta profsoyuza rabotnikov prosveshcheniya,
vysshey shkoly i nauchnykh uchrezhdeniy.
(White Russia--Student activities)

USSR/Physics - X-rays, History (Russian View)

"Pioneers of Russian Radiography," D. S. Bobardze

Iz Ak Nauk SSSR, Ser Fiz, Vol 17, No 2, pp 177-185

Describes historical events following the discovery of X-rays by Roentgen, which were appreciated in Germany only after creation of German Democratic Republic by the Soviets. The work of Poincare and of Becquerel was incorrect until corrected by the Russians.

..50702

FEDOROV, A.Ye., kand.tekhn.nauk; MIKHAL'CHUK, P.A., inzh.; GOBERIS, S.I.,
inzh.

Electric heating of heat-resistant concrete. Prom. stroi. 40
[i.e. 41] no.4:38-40 Ap '63. (MIRA 16:3)
(Concrete--Testing) (Electric heating)

NEKRASOV, K.D.; GOBERIS, S.I.

Restoring structures made of refractory concrete.
Ogneupory 30 no.6:19-24 '65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut betona i zhelezobetona
Gosstroya SSSR (for Nekrasov). 2. Novosibirskoye spetsializiro-
vannoye upravleniye tresta "Teplomontazh" (for Goberis).

GOBERMAN, G.

Meeting consumers' demands. Mast. ugl. 6 no. 10:31 0 '57. (MIRA 10:12)
(Gorlovka--Retail trade)

GOBERMAN, G.

Growth of trade in coal districts. Sov. torg. no.7:25-28 J1 '57.
(Retail trade) (MIRA 10:9)

GOBERMAN, G.

A book about the development of consumers' cooperatives in the U.S.S.R.
("Forty years of Soviet consumers' cooperatives" Reviewed by G.
Goberman). Sov.torg. no.1:51-53 Ja '58. (MIRA 10:12)
(Cooperative societies)

GOLUBOVICH, G.; GOBERMAN, G.

Grams make thousands of tons; Moscow people save metals.

Mest.prom.1 khud.promys. 2 no.10:25-26 0 '61. (MIRA 14:11)

1. Nachal'nik tekhnicheskogo otdela upravleniya metalloobrabaty-
vayushchey promyshlennosti Mosgorispolkoma (for Golubovich).

2. Nachal'nik otdela proyektno-konstruktorskoy kontory
"Mospromproyekt".

(Metal industries)

GOBERMAN, G. (g. Zhukovskiy)

Planning work in a trade organization. Sov. torg. 37 no.10:
27-29 0 '63. (MIRA 17:1)

A bulletin on the production of locks. Moskva koiz, 1944. 31 p.
(48-34601)

TS520.06

GOBERMAN, Grigoriy Yefimovich; BYCHKOV, Vasilii Ivanovich; SLOVESNIKOV,
A.M., red.; GORBATKIN, B.G., tekhn. red.

[Locks and hardware] Zamki i skobiane pribory. Moskva, Gos-
mestpromizdat, 1962. 166 p. (MIRA 16:4)
(Locks and keys) (Hardware)

GOBERMAN, I.

9G77

USSR/Road Transport 4405.0500 Sep 1947
Automotive Industry 4405.0200

"Motor Transport of the Capital," I. Goberman, 5 pp

"Avtomobil" Vol XIV, No 9

Summary of motor transport conditions in Moscow. Data
on trucks, light passenger cars and trucks, garages
and repair facilities in the city.

10

9G77

WHELAN, I.

37484. 25 Let Avtobusnogo Transporta "Moskvy. Avtomobil", 1949, No. 11, s. 6-8

SO: Letopis' Zhurnal'nykh Statey, vol. 7, 1949

GOBERMAN, I.M., nachal'nik.

Ways of lowering transportation costs in the building industry. Gor. khos.
Mosk. 27 no.6:5-8 Je '53. (MLRA 6:6)

1. Upravlenie avtogruzovogo transporta Moskovskogo gorodskogo ispolnitel'-
nogo komiteta.
(Construction industry--Costs)
(Building materials--Transportation)

GOBERMAN, I.M., inzhener.

Specialized trucks for transporting consumer goods. Gor.khoz.Mosk.
28 no.1:22-23 Ja '54.
(MLRA 7:2)
(Motor trucks)

P. BURMAN, ...

Organizing and developing centralized freight haulage in Moscow
Avt.transp. 35 no.6-4-6 Je '57. (MIR# 10 7)

1. Nachal'nik Glavmesavtotransa.
(Moscow--Transportation, Automotive)

GOBERMAN, I.

Work as communists should. Za rul. 17 no.8:6-7 Ag '59.
(MIRA 12:12)

1. Nachal'nik Glavmosavtotransa Mosgorispolkoma.
(Transportation, Automotive)

GOBERMAN, I.M.

Patriotic feat of the automotive transportation workers of the capital.
Gor.khoz.Mosk. 33 no.8:5-12 Ag '59. (MIRA 12:11)

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BONSHTEYN, L.A.; BURKOV, M.S.; BUYANOV, V.A.; VELIKANOV, D.P.;
VERKHOVSKIY, I.A.; GOBERMAN, I.M.; DAVIDOVICH, L.N.; DOSTERIEVA,
G.N.; ZEMSKOV, P.P.; KALAMUKHOV, P.V.; KOLESNIK, P.A.; KOZHIN,
A.P.; KRAMARENKO, G.V.; KHUZE, I.L.; KURSHOV, A.N.; OSTROVSKIY,
N.B.; PASHINA, S.N.; SEMIKIN, N.V.; TARANOV, A.T.; TIKHOMIROV,
A.K.; ULITSKIY, P.S.; USHAKOV, B.P.; FILIPPOV, V.K.; CHERMYAVSKIY,
L.M.; CHUDINOV, A.A.; SHUPLYAKOV, S.I.; TIKHOMIROV, M.N.

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dotsent; LEYDERMAN, S.R., dotsent; LIV'YANT, Ya.A., ispoln.obyazan-
nosti dotsenta; LYUBINSKIY, N.M., inzh.; MAYDENOV, B.P., inzh.;
FINKEL'SHTEYN, A.L., inzh.; KHROMOV, A.A., inzh.; CHUDINOV, A.A.,
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A.V.; GOBERMAN, I.M.; DAVIDOVICH, L.N.; DEGTAREV, G.N.; ZVONKOV,
V.V.; KALABUKHOV, F.V.; KOMAROV, A.V.; KUDRYAVTSEV, A.S.; LIV'YANT,
Ya.A.; PETROV, A.P.; PETROV, V.I.; TARANOV, A.T.; TIKHOMIROV, N.N.;
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(MIRA 16:10)

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GOBERMAN, L.

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(Wheels)

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type wheels. Nauch. trudy MLTI no.11:31-53 '61 (MIRA 1f:1)

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KRAMARENKO, G.V., red.; TIKHOMIROV, N.N., retsenzent;
SEDOVA, A.P., red. izd-va; MAL'KOVA, N.V., tekhn. red.

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Andreyevich; RUSAKOV, A.N.; MASLOV, N.A., redaktor izdatel'stva;
PERSON, M.N., tekhnicheskij redaktor; KL'KINA, E.M., tekhnicheskij
redaktor.

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(Acid-resistant materials)

MARGULIS, L.I.; GANSKIY, V.A.; GOBERMAN, M.D., otv.red.; PEVZNER, A.S.,
zav.red.izd-va; OSENKO, L.M., tekhn.red.

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Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materia-
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(Wages) (Machine-shop practices) (Forging)

SEREBRYANYI, G.M.; AVGUSTOVSKIY, I.Yu.; RUDAYA, V.V.; GOBERMAN, M.D.,
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RSFSR (for Avgustovskiy). 4. Tsentral'noye normativno-issledovatel'-
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KASPIN, Lev Abramovich; SMIRNOV, Boris Konstantinovich; GADASHEVICH, Anna Mikhaylovna; PERNYATIN, Aleksandr Zinov'yevich; BASHMINSKIY, S.V., retsenzent; GOBERMAN, M.D., spets. red.; SOSNOVSKAYA, G.I., red.; BEREZOVSKIY, N.I., tekhn. red.

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MITIN, Sergey Andreyevich; GOBERMAN, M.D.; MIKHAYLOV, F.D.; RUSAKOV, A.N.; SEMIBRATOV, V.N.; TORGONENKO, Ye.A.; GIREVSKIY, V.F., glav. red.; USPENSKIY, V.V., zam. glav. red.; BASHINSKIY, S.V., red.; GORBUSHIN, P.B., red.; GUREVICH, M.S., red.; LEYKIN, B.P., red.; MALYUGIN, V.I., red.; BOGINA, S.L., red. izd-va; NAUMOVA, G.D., tekhn. red.

[Manual on labor and wages in construction] Spravochnik po trudu i zarabotnoi plate v stroitel'stve. Pod red. S.A.Mitina. Moskva, Gosstroizdat, 1962. 581 p. (MIRA 15:7)

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Aleksandr Zinov'yevich; GODERMAN, M.D., spots. red.;
SOKOLOV, I.A., red.

[Production norms, estimates, and regulations for construction and assembly operations; general construction operations]
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[Government norms and estimates for construction, assembly, and repair work] Vedomstvennye normy i raschetny na stroitel'-nye, montazhnye i remontno-stroitel'nye raboty. Moskva, Stroizdat. Sbornik V-56. 1964. 295 p. (MIRA 18:10)

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GOBERMAN, P. N.

Aug 1967

USSR/Mechanics

Efficiency, Industrial

"Calculating Tolerance during Replacements of Bases,"
P. N. Goberman, Candidate in Technical Sciences, 22 pp

"Stanki i Instrument" No 8

In many cases economy in calculations is attained only
when construction bases can be utilized as technologi-
cal bases. Nevertheless, there are many industrial
conditions which make it difficult to practice. Pre-
sents various mathematical formulas and diagrams show-
ing how to overcome this problem.

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GORODENKO, I. M.

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GORODENKO, I. M.

Dopustimyye krivyye raspredeleniya i polucheniye daniy tekhnicheskoy
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V sb: Nekotoryye voprosy tekhnologii mashinostroyeniya.,
M.—L., 1948, s. 86-99.

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Stabil'nost' rez'bovykh soedinenii. (Vestn. Mash., 1949, no. 4, p. 9-12)

Stability of threaded joints.

DLC: TM4.V4

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GOBERMAN, P.N.; KUTAY, A.K., kandidat tekhnicheskikh nauk, dotsent, do-
daktor; SOKOLOVA, L.V., tekhnicheskiiy redaktor.

[The screwing together of screw-threads with protective coatings]
Svinchivaemost' rez'b s zashchitnymi pokrytiyami. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 74 p. (MIRA 8:2)
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ARADZHI, K.I.; BOYTSOV, A.N.; VOLOSEVICH, F.P.; GORBERMAN, P.N.; KUTAY, A.K.;
NARINSKIY, F.I.; ODING, G.A.; RUBINOV, A.D.; SHAYDORER, G.A.;
BRZHEZINSKIY, M.L., kandidat tekhnicheskikh nauk, retsenzent; PETROV,
V.I., inzhener, retsenzent; KEMPINSKIY, M.M., inzhener, redaktor;
LEYKINA, T.L., redaktor izdatel'stva; POL'SKAYA, R.G., tekhnicheskii
redaktor

[Reference manual for production control in machine building] Spravochnik
po proizvodstvennomu kontroliu v mashinostroenii. Pod obshchei red.
A.K.Kutai. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry,
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(Machinery industry)

GOBERMAN, P.N., dotsent, kandidat tekhnicheskikh nauk.

Standardisation of screw threads with backlashes for protective
coating. Standartizatsiia no.6:48-50 N-D '56. (MIRA 10:1)
(Screw threads, Standard)

GOBERMAN, P.N.; IL'IN, V.A.

Method for studying the nature of plating distribution on
thread profiles. Zav.lab, 22 no.10:1207 '56. (MLRA 10:5)

1.Leningradskiy institut tochnoy mekhaniki i optiki i zavod
"Krasnogvardeys".

(Metallography)

PHASE I BOOK EXPLOTATION

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AUTHOR: See Table of Contents.

TITLE: Theory and Design of Instrument-components in Precision Mechanics
(Teoriya i raschet elementov priborov tochnoy mekhaniki); Collect-
ed articles, Nr 22 (Sbornik statey, Vyp. 22)

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Ed.: Sokolova, L. B.

PURPOSE: This collection is intended for engineer, technical and scientific
personnel working in the field of instrument manufacturing. It
may also be useful to students engaged in instrument-manufacturing
studies at institutions of higher education.

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Theory and Design of Instrument-components in Precision Mechanics (Cont.)

COVERAGE

The following subjects are discussed: theory and precision of clock mechanisms and design of their components parts, such as conoids and elastic steel-band transmissions; determination of the line of action of forces acting on the specimen in tension and compression tests; screwed connections of machine parts; torque developed in a spherical gyroscope; graphic and analytical methods for determining limits of changes of variable vector -components; determination of the relative position of links in three-dimensional link mechanisms.

GOBERMAN, P. N., Candidate I of Technical Sciences, Docent, "Relative Positions of Screwed Connections of Machine Parts," p. 97.

GOBERMAN, P.N., kand. tekhn. nauk, dots.

Maintaining relative positions of surfaces of screwed parts. Sbor,
st. LITO no.22:97-105 '57. (MIRA 11:2)
(Machine-shop practice)

KUTAY, A.K., kand. tekhn. nauk, dots.; GOBERMAN, P.N., kand. tekhn. nauk,
dots.

Conference in Leningrad on the interchangeability, precision, and
methods of automatic control in the machinery industry. Vest. mash.
37 no.8:88-90 Ag '57. (MIRA 10:9)
(Leningrad--Automatic control) (Leningrad--Machinery industry)

056277710, 11
GOBERMAN, P.N., kand. tekhn. nauk.

Screwing thread parts having protective coatings. Mashinostroitel'
no.1:30-31 Ja '58. (MIRA 11:1)
(Fastenings) (Protective coatings)

STAFF & BOOK INFORMATION
800/4455

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REASON: This collection of articles is intended for scientific and technical personnel dealing with problems of interchangeability and engineering environments in the machine and instrument industries.

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2.3.3. *Calculation of Technical Efficiency*

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Illustration 7.4.3 (Continued): Guide for Selecting the Clearance between Compressor Cylinders and Pistons

STUDY II. ESTABLISHING NEAR-THRESHOLD

Quesada, B.A. Book: Principles in the Selection of Measuring Devices 20

272 **Analysis of the Errors of Various Over-Relaxing Methods**

24 Checklist of Accuracy of Precision Toothed Gears. Checking the Accuracy of Mechanical Sciences].

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Appendix 7.2.5. (Credentia of Technical B:ences, Docent). Checking
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Determining the Characteristics of Rolling-Contact Bearings

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(Screw threads) (Interchangeable mechanisms)
(Probabilities)